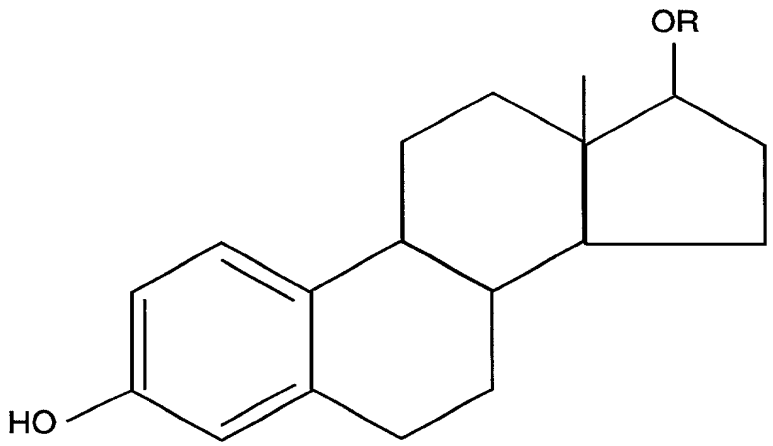
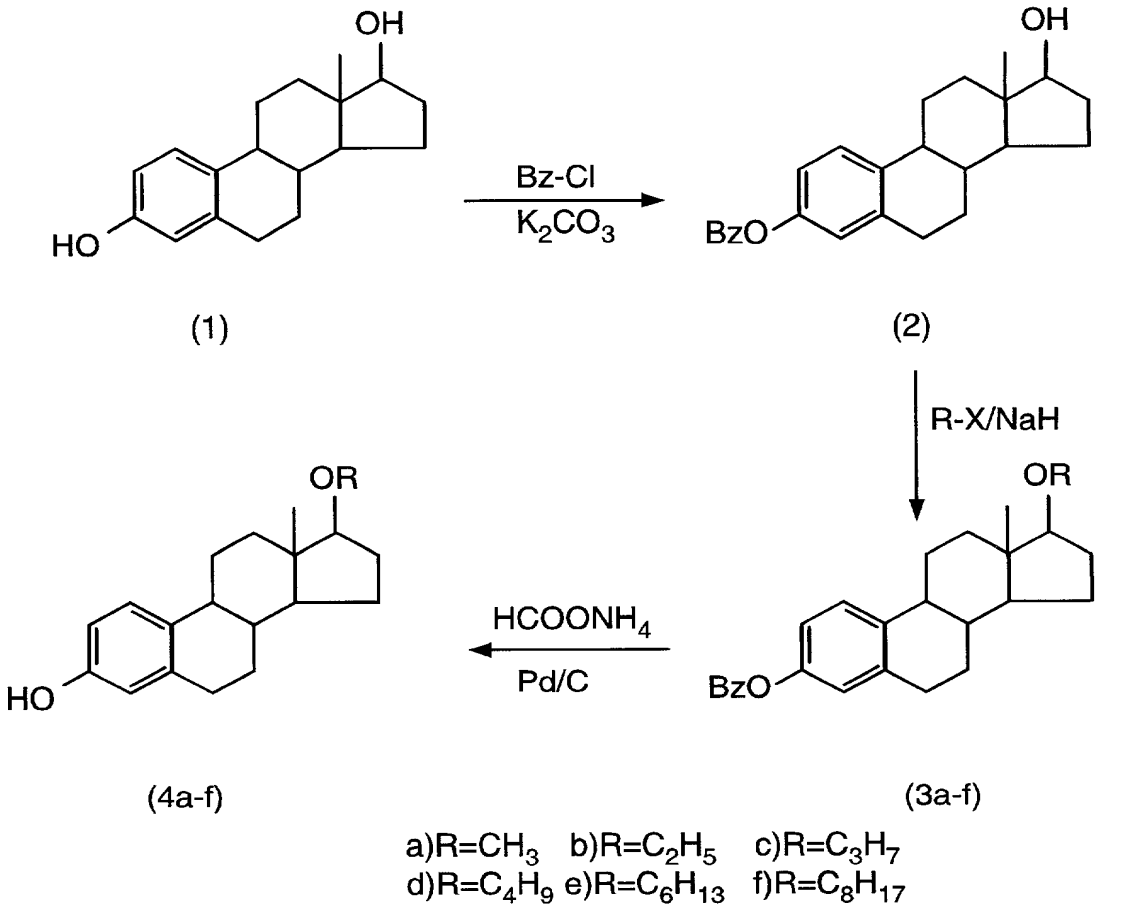


$R = C_nH_{2n+1}$

$n \geq 3$

$n < 20$

FIG. 1


OH
HO
Bz-Cl
K_2CO_3
OH
BzO
(1)
(2)
R-X/NaH
OR
BzO
$HCOONH_4$
Pd/C
OR
HO
(3a-f)
(4a-f)
a)R=CH_3 b)R=C_2H_5 c)R=C_3H_7
d)R=C_4H_9 e)R=C_6H_{13} f)R=C_8H_{17}

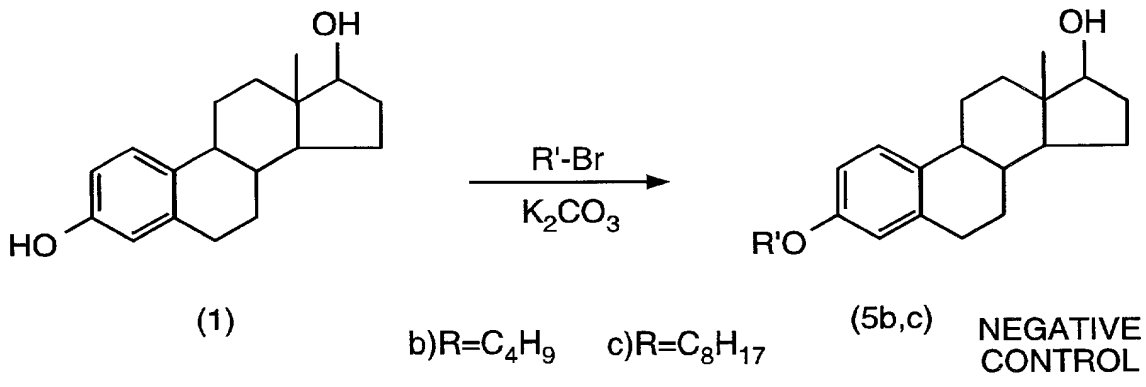

OH
HO
R'-Br
K_2CO_3
OH
R'O
(1)
(5b,c)
b)R=C_4H_9 c)R=C_8H_{17}
NEGATIVE CONTROL

FIG. 2

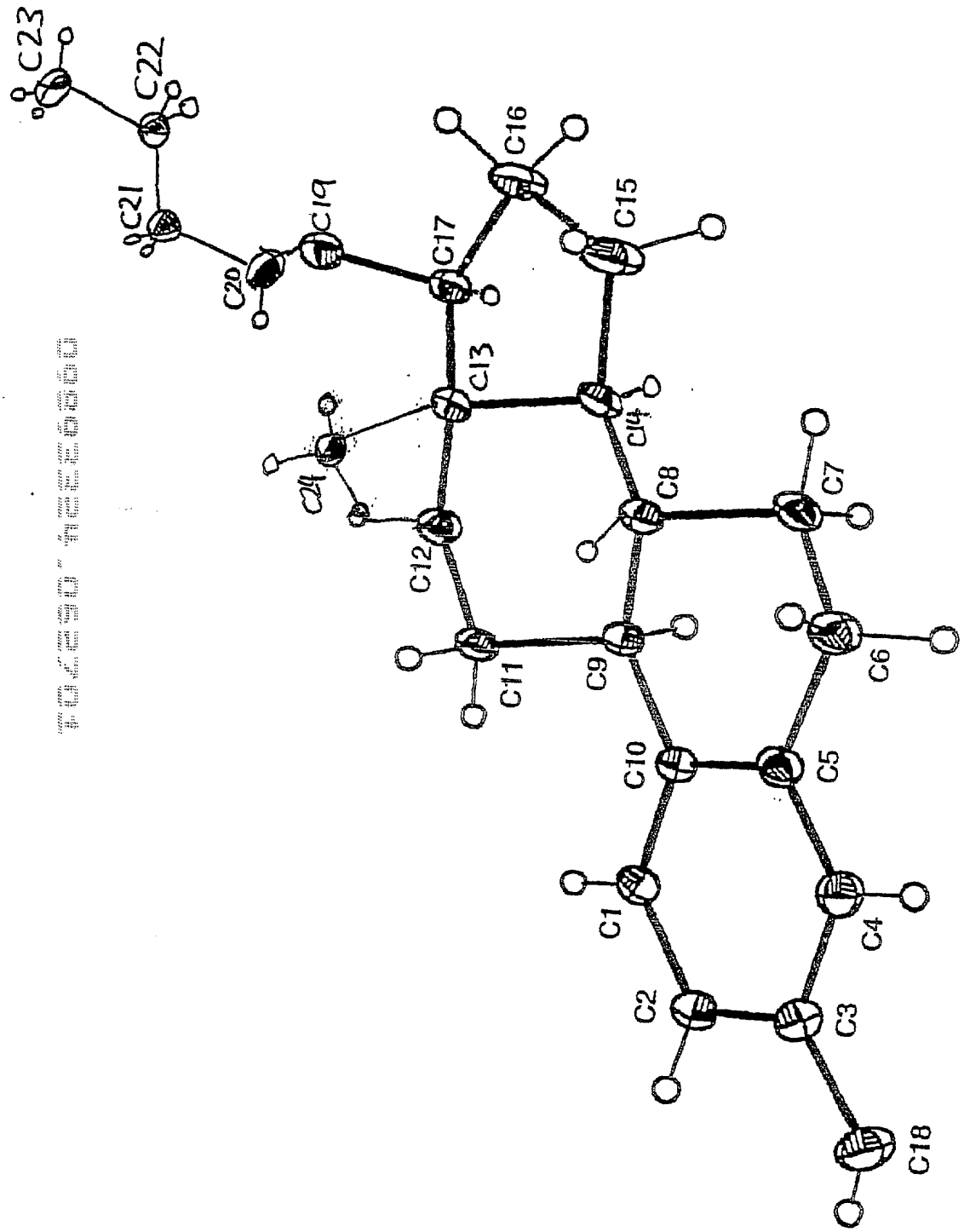

C23
C22
C21
C19
C20
C17
C16
C15
C13
C14
C24
C8
C7
C12
C11
C9
C6
C10
C5
C1
C4
C2
C3
C18

FIG. 3

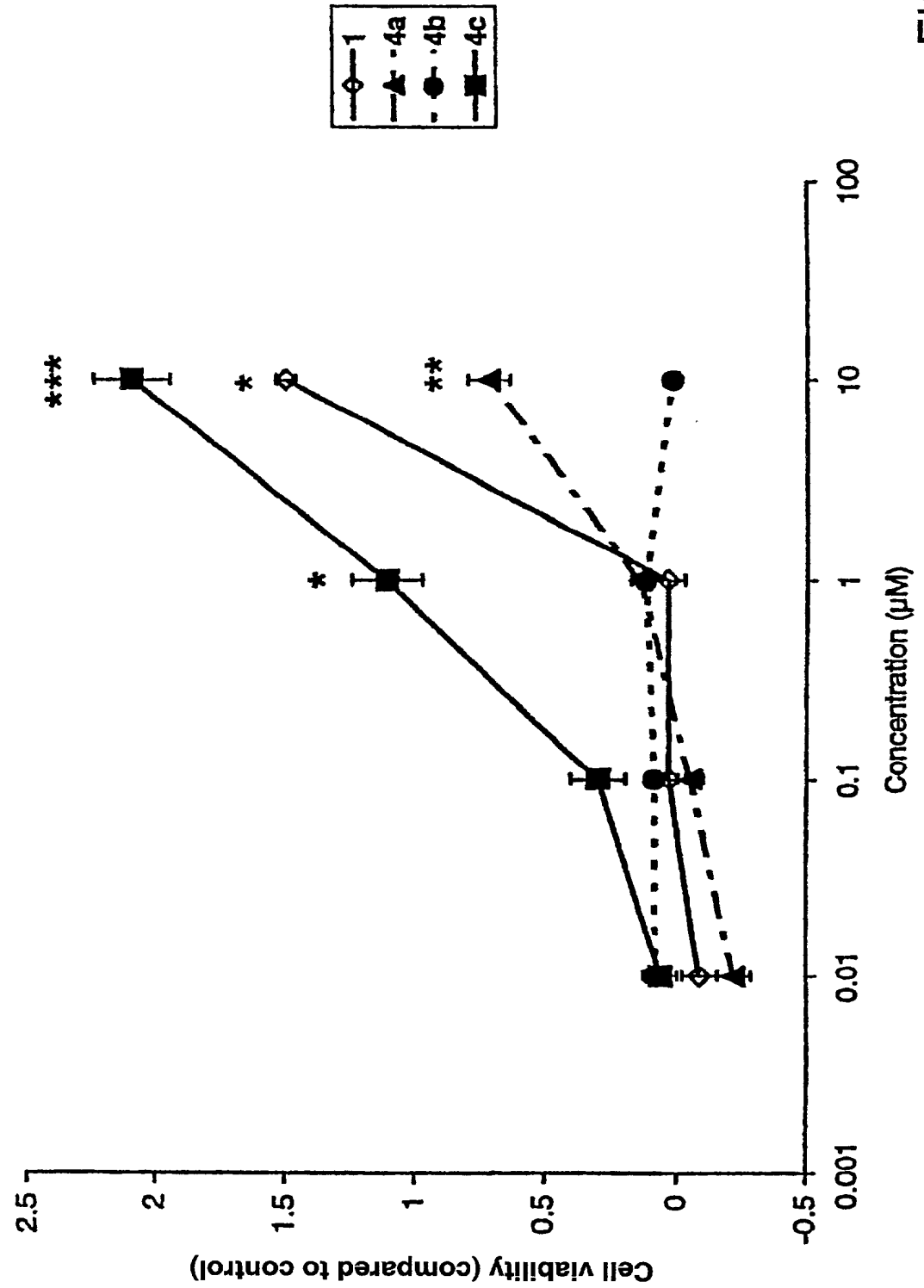

1
4a
4b
4c
Cell viability (compared to control)
Concentration (μM)
2.5
2
1.5
1
0.5
0
-0.5
0.001
0.01
0.1
1
10
100
***
*
*
**

FIG. 4A

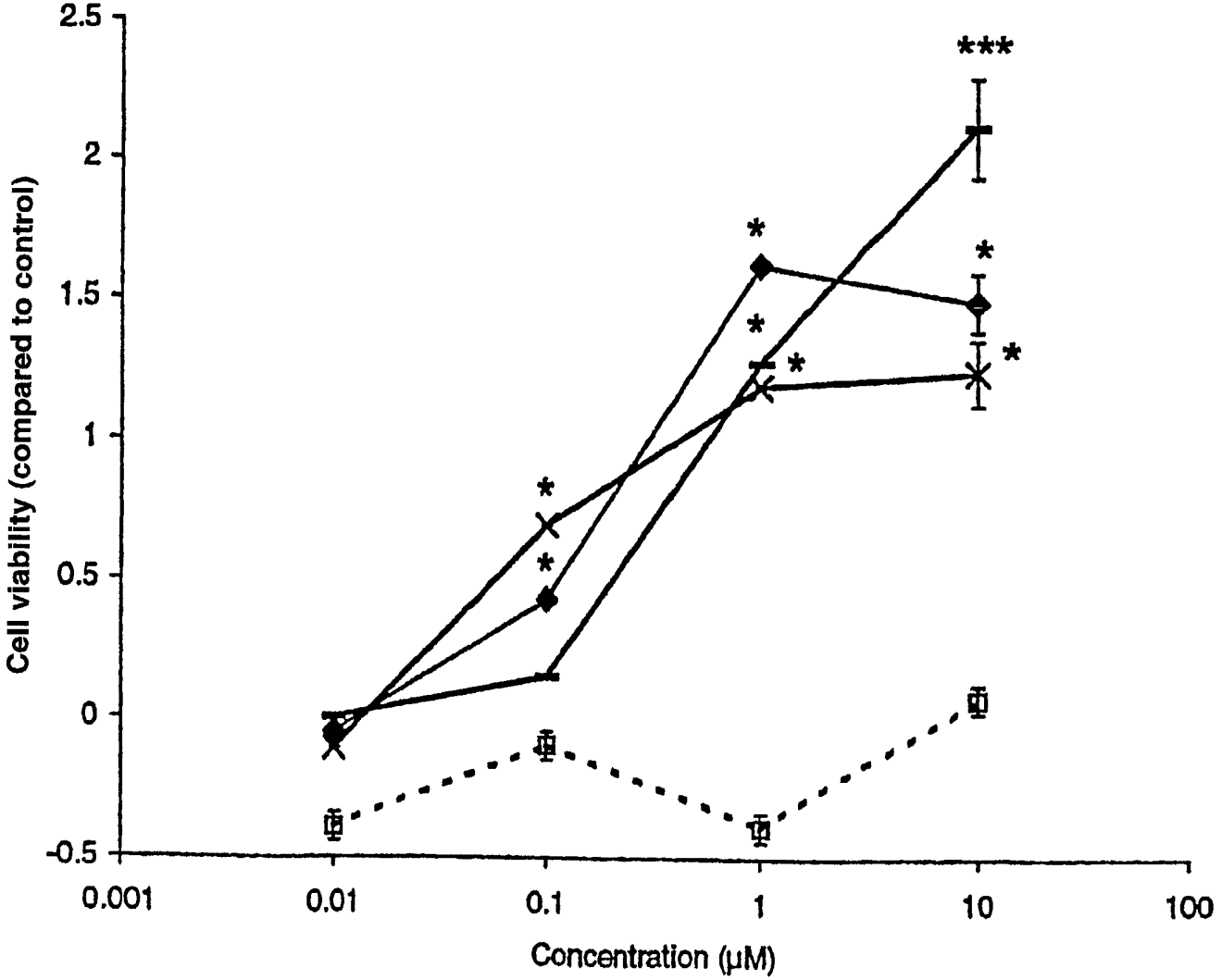

2.5
2
1.5
1
0.5
0
-0.5
Cell viability (compared to control)
0.001
0.01
0.1
1
10
100
Concentration (µM)
***
*
4d
4e
4f
5b

FIG. 4B